



RAD Studio XE5

Multi-device, true native app development for Android and iOS



Personality:
 D = Delphi®
 C = C++Builder®
 H = HTML5 Builder

Feature Matrix

Feature	Personality	Architect	Ultimate	Enterprise	Professional
INTEGRATED COMPILERS AND TOOLCHAINS					
High-performance 32-bit optimizing Delphi® native code compiler (dcc32), including High performance x86 Assembler – 32-bit inline assembler supporting the Intel® x86 instruction set (including Intel Pentium® Pro, Pentium III, Pentium 4, Intel MMX™, SIMD, Streaming SIMD Extensions, SSE, SSE2, SSE3, SSE 4.1, SSE 4.2, AMD SSE4A and AMD® 3DNow!®)	D	X	X	X	X
Delphi 64-bit compiler for Windows	D	X	X	X	X
Introduced in XE3! C++ 64-bit compiler for Windows	C	X	X	X	X
Enhanced in XE3! Delphi OS X compiler	D	X	X	X	X
Enhanced in XE3! C++ OS X compiler	C	X	X	X	X
Enhanced in XE5! Embarcadero C++ Compiler 6.70 (bcc64)	C	X	X	X	X
Enhanced in XE5! Embarcadero C++ Compiler 6.70 (bcc32)	C	X	X	X	X
Delphi command line toolchains for Windows (dcc32, dcc64)	D	X	X	X	X
Introduced in XE4! Delphi command line toolchains for iOS (dccios32, dcciosarm)	D	X	X	X	X
Introduced in XE4! Delphi iOS ARM Compiler and Delphi iOS Compiler for iOS Simulator	D	X	X	X	X
New in XE5! Delphi Android ARM compiler for Device and Emulator (dccaarm)	D	X	X	X	X
Enhanced in XE3! Delphi command line toolchains for OS X (dccosx)	D	X	X	X	X
C++ command line toolchains for Windows (bcc32, bcc64)	C	X	X	X	X
Enhanced in XE3! C++ command line toolchains for OS X (bccosx)	C	X	X	X	X
Create 32-bit optimized Delphi and C++ native executables that can run on both 32 and 64-bit Windows operating systems	C D	X	X	X	X
Enhanced in XE3! ANSI/ISO C++11 and C99 Standard language conformance and Boost support for 64-bit Windows	C	X	X	X	X
#pragma once support that allows for better compatibility with MSVC and also acts as a header guard	C	X	X	X	X
[[deprecated]] attribute to flag constructs as deprecated	C	X	X	X	X
Secure C library functions	C	X	X	X	X
Enhanced compiler switches for XML representation of source code	C	X	X	X	X
Custom evaluators for C++ Strings types	C	X	X	X	X
Linker error handling to improve memory management flexibility and resolution	C	X	X	X	X
APPLICATION PLATFORMS, INTEGRATED FRAMEWORKS, DESIGNERS AND SDKS					
Enhanced in XE3! FM Application Platform for creating 32-bit Windows applications for Windows 8, Windows 7, Windows Vista and XP; Server 2008 and 2012.	C D	X	X	X	X
Enhanced in XE3! FM Application Platform for creating 64-bit Windows applications for Windows 8, Windows 7, Windows Vista and XP; Server 2008 and 2012.	CD	X	X	X	X
Enhanced in XE5! FM Application Platform for creating OS X 10.7 and 10.8 applications	C D	X	X	X	X
Enhanced in XE5! FireMonkey platform for creating native iOS applications for iOS 6.x	D	X	X	X	X
New in XE5! FM Application Platform for creating native Android ARMv7 applications for Gingerbread (2.3.3 – 2.3.7), Ice Cream Sandwich (4.0.3, 4.0.4) and Jelly Bean (4.1.x, 4.2.x, 4.3.x).	D	X	X	X	X
Enhanced in XE3! VCL (Visual Component Library) for rapidly building 64-bit applications for Windows 8, Windows 7, Windows Vista and XP; Windows Server 2008 and 2012	CD	X	X	X	X
Enhanced in XE3! VCL (Visual Component Library) for rapidly building 32-bit applications for Windows 8, Windows 7, Windows Vista and XP; Windows Server 2008 and 2012	C D	X	X	X	X
Microsoft Windows SDK support for Windows Vista APIs and Windows 7	C D	X	X	X	X
Support for Windows 7 Direct2D API	C D	X	X	X	X

Feature	Personality	Architect	Ultimate	Enterprise	Professional
Introduced in XE3! FM Application Platform support for DirectX 10	C D	X	X	X	X
VCL forms designer with live Snap-to hints and layout guidelines	C D	X	X	X	X
Unified Modeling Language® (UML®) designer	C D	X	X	X	X
.NET headers for C++ to .NET API access	C	X	X	X	X
Introduced in XE3! VCL Metropolis Project Templates (blank, grid, split layout)	C D	X	X	X	X
FM APPLICATION PLATFORM (FIREMONKEY) (FM³)					
Enhanced in XE5! Native message alerts for iOS and Android	D	X	X	X	X
Enhanced in XE5! Custom Pickers for iOS and Android	D	X	X	X	X
Enhanced in XE5! Date Picker for iOS and Android	D	X	X	X	X
New in XE5! Time Picker for iOS and Android	D	X	X	X	X
New in XE5! Time Picker for Windows	C D	X	X	X	X
New in XE5! Time Picker for OS X	C D	X	X	X	X
Enhanced in XE5! Phone Dialer Support for iOS and Android	D	X	X	X	X
New in XE5! Built-in text editing mode for TEdit and TMemor controls on Android, including Cut/Copy and Paste	D	X	X	X	X
New in XE5! Built-in Spell Check Support for text input controls on iOS and Android	D	X	X	X	X
Introduced in XE4! Built-in text editing mode for TEdit and TMemor controls on iOS, including Cut/Copy/Paste/Zoom	D	X	X	X	X
Enhanced in XE5! Notification Center Component for using notifications in your iOS and Android applications	D	X	X	X	X
Enhanced in XE5! Gesture support for iOS and Android including swipe (pan), tap, tap and hold, double tap and pinch & zoom	D	X	X	X	X
Introduced in XE4! Native iOS application styling for iPhone and iPad (Retina and non-Retina) on iOS 5.1 and 6.x	D	X	X	X	X
Enhanced in XE5! FireMonkey Mobile Application Wizard with header/footer, tabbed, and master detail templates	D	X	X	X	X
New in XE5! Native Android application styling with built-in Holo Light and Holo Dark styling options	D	X	X	X	X
Introduced in XE4! Full set of native iOS styling options for buttons, toolbars, listboxes, sliders, switch controls	D	X	X	X	X
New in XE5! Full set of native Android styling options for buttons, toolbars, listboxes, sliders, switch controls	D	X	X	X	X
New in XE5! Swipe-to-Delete on iOS with the TListView component	D	X	X	X	X
New in XE5! Swipe-to-Delete on Android with the TListView component	D	X	X	X	X
New in XE5! Built-in search filtering for TListView on iOS and Android	D	X	X	X	X
New in XE5! Built-in search filtering for TListView on Windows	C D	X	X	X	X
New in XE5! Built-in search filtering for TListView on OS X	C D	X	X	X	X
Introduced in XE4! Mobile Form Layout Tools: design for landscape/portrait/upside down landscape and upside down portrait layouts	D	X	X	X	X
Enhanced in XE5! Support for multiple form factors: choose from iPhone, iPhone 5, iPad, Nexus 4/7/10, Samsung S2/S4, generic Android devices, or add a custom device	D	X	X	X	X
Enhanced in XE5! Mobile Status Bar: toggle form property to show/hide status bar	D	X	X	X	X
Enhanced in XE5! Web Browser for loading and displaying web content in your iOS and Android applications	D	X	X	X	X
Enhanced in XE5! Extended ListBox capabilities for iOS and Android, including header/footer/grouped styling, embedded search and expanded LiveBindings support	D	X	X	X	X
Enhanced in XE5! Support for various keyboard types on iOS and Android	D	X	X	X	X
Enhanced in XE5! TMagnifier component for easily zooming in on images and text	C D	X	X	X	X
Enhanced in XE5! TCamera component for accessing the front and back camera, flash etc.	C D	X	X	X	X
Enhanced in XE5! TabControl with new settings for using tabs as views	C D	X	X	X	X
Introduced in XE4! FireMonkey Frames	C D	X	X	X	X
Enhanced in XE5! Toggle Device Skin to show/hide mobile device background	D	X	X	X	X
Enhanced in XE5! iOS and Android Sample Applications for using the new sensors and services	D	X	X	X	X

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Introduced in XE4! OS X Full screen Mode	C D	X	X	X	X
Introduced in XE3! Actions and ActionLists	C D	X	X	X	X
Introduced in XE5! Action for accessing the camera application on iOS and Android	D	X	X	X	X
Introduced in XE5! Action for accessing images from the camera roll on iOS and Android	D	X	X	X	X
Introduced in XE5! Share Sheet support on iOS 6 and Android for sharing content via Messaging, Mail, Facebook, Twitter etc.	D	X	X	X	X
Introduced in XE4! Slide transition action for TTabControl	C D	X	X	X	X
Introduced in XE3! Anchors	C D	X	X	X	X
Introduced in XE3! Layout Managers (Flow Layout, Grid Layout)	C D	X	X	X	X
Introduced in XE3! Multimedia support for playing popular video formats	C D	X	X	X	X
Introduced in XE3! Multimedia support for playing popular audio formats	C D	X	X	X	X
Enhanced in XE5! Location Services component for GPS or triangulation	C D	X	X	X	X
Enhanced in XE5! Orientation sensor (gyroscope/compass) on iOS and Android	D	X	X	X	X
Introduced in XE4! Orientation sensor (gyroscope/compass) on Windows	C D	X	X	X	X
Enhanced in XE5! Motion Sensor component for accelerometer access on iOS and Android	D	X	X	X	X
Enhanced in XE4! Motion Sensor component for accelerometer access on Windows	C D	X	X	X	X
New in XE5! Event for accessing Back key on Android devices	D	X	X	X	X
Introduced in XE3! Camera Sensor support	C D	X	X	X	X
Enhanced in XE3! 3D File Import Support	C D	X	X	X	X
Introduced in XE3! Metropolis UI Style for XP, Vista, Windows 7, Windows 8	C D	X	X	X	X
Introduced in XE3! OS X 10.8 native style	C D	X	X	X	X
Introduced in XE3! OS X 10.8 high resolution native Retina Style	C D	X	X	X	X
Introduced in XE3! Non-Client Area Application Styling for Windows and OS X	C D	X	X	X	X
Introduced in XE3! Metropolis UI grid page side scrolling	C D	X	X	X	X
Introduced in XE3! Edit control with stylable glyph with built-in style support for search bar, password control and more	C D	X	X	X	X
Enhanced in XE5! FM Application Platform performance optimizations	C D	X	X	X	X
Introduced in XE3! Animated progress glyphs including Windows 8 ring	C D	X	X	X	X
Enhanced in XE3! StyleLookUp support with preview of available designs for the selected component	C D	X	X	X	X
Introduced in XE3! Live Tile support for Enterprise deployment - interaction with desktop application launching and dynamic content management on Windows 8	C D	X	X	X	X
Introduced in XE3! FireMonkey Project Templates for Metropolis UI (blank, grid and split layout);	C D	X	X	X	X
Enhanced in XE3! Definable touch target support for each control	C D	X	X	X	X
Introduced in XE3! Metropolis UI samples illustrating Microsoft® style guide	C D	X	X	X	X
Introduced in XE3! Easy one-click Metropolis UI form converter for existing forms	C D	X	X	X	X
Introduced in XE3! 4 new Metropolis UI styles	C D	X	X	X	X
Introduced in XE3! Support for Windows 8 gestures	C D	X	X	X	X
Introduced in XE3! Multiple button/control states	C D	X	X	X	X
Introduced in XE3! Application toolbar for Metropolis UI	C D	X	X	X	X
Introduced in XE3! Shared external redistributable bitmap style designer for VCL and FM Application Platform	C D	X	X	X	X
Introduced in XE3! FireMonkey bitmap based styles	C D	X	X	X	X
Enhanced in XE3! Native UI control styles	C D	X	X	X	X
Enhanced in XE3! Additional native and custom UI styles	C D	X	X	X	X
Enhanced in XE3! Text and Memo control performance	C D	X	X	X	X
FireMonkey Form Inheritance	C D	X	X	X	X
Introduced in XE3! Use one shader language for all rendering libraries (OpenGL or Direct3D)	C D	X	X	X	X
Introduced in XE3! On-screen keyboard support for Windows touch devices	C D	X	X	X	X
Introduced in XE3! MetropolisUIListBox support for easily creating listboxes and custom grid layouts	C D	X	X	X	X

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Introduced in XE3! Mac App Store Ready	C D	X	X	X	X
VISUAL LIVEBINDINGS					
Introduced in XE3! Visually connect component properties and data	C D	X	X	X	X
Introduced in XE3! Easily replace prototype data with real ClientDataSet data with one click	C D	X	X	X	X
Enhanced in XE5! Context sensitive LiveBindings Wizard, supporting both dbExpress and FireDAC	C D	X	X	X	X
Introduced in XE3! Support for QuickBinding components	C D	X	X	X	X
Introduced in XE3! Ability to visually add and bind to additional component properties	C D	X	X	X	X
Introduced in XE3! Color coded component properties easily identify bindable members	C D	X	X	X	X
Introduced in XE3! Zoom control for Visual LiveBindings Designer	C D	X	X	X	X
Introduced in XE3! Ability to save image of current LiveBindings Designer layout	C D	X	X	X	X
Introduced in XE3! Hide visual elements on right-click	C D	X	X	X	X
Introduced in XE3! Integrated Layers Management system for LiveBindings Designer with Photoshop® like layers, allowing you to visually organize and hide set of elements in the LiveBindings Designer	C D	X	X	X	X
Introduced in XE3! Easily launch the LiveBindings Designer with the right-click 'Bind Visually' command on the form designer	C D	X	X	X	X
Introduced in XE3! Tools Options support for LiveBindings Designer to show/hide certain components from the visual LiveBindings Designer view and enable/disable Wizard option in right-click menu	C D	X	X	X	X
INTEGRATED BUILD TOOLS AND PROJECT SUPPORT					
IDE support for building and managing projects for 32-bit Windows	C D	X	X	X	X
Enhanced in XE3! IDE support for building and managing projects for 64-bit Windows	C D	X	X	X	X
Enhanced in XE3! IDE support for building and managing projects for OS X	C D	X	X	X	X
Introduced in XE3! IDE support for targeting OS X builds for Mac App Store	C D	X	X	X	X
Enhanced in XE5! FireMonkey application wizards	C D	X	X	X	X
Introduced in XE4! Deploy apps to the iOS Simulator (iPhone/iPhone 5/iPad)	D	X	X	X	X
New in XE5! Deploy apps to the Android Emulator for Ice Cream Sandwich and Jelly Bean	D	X	X	X	X
New in XE5! Define Android application settings, including supported orientations	D	X	X	X	X
Introduced in XE4! Define info.plist application settings including supported orientations in the IDE	D	X	X	X	X
Introduced in XE4! Deploy apps to iOS Devices (Debug/Ad Hoc/ App Store)	D	X	X	X	X
Enhanced in XE5! Define application splash screens and app icons in the IDE	D	X	X	X	X
New in XE5! Deploy apps to Android devices (Debug/App Store)	D	X	X	X	X
Enhanced in XE4! Platform Assistant for deploying and debugging across platforms	C D	X	X	X	X
Project Manager view menu for directory (nested), directory (flat) and list view of files in a project and with an enhanced status bar for more file information.	C D	X	X	X	X
File manipulation and creation through the Project Manager facilities	C D	X	X	X	X
Optimize build times with pre-compiled header wizard	C	X	X	X	X
Compiler option to treat warnings as errors	D	X	X	X	X
Batch compilation – compile all files in project at once for increased performance	C	X	X	X	X
Flexible build system leveraging MSBuild with identical build process from the IDE or command line	C D	X	X	X	X
Virtual folders to logically organize files in your project stored in different locations	C	X	X	X	X
Enhanced in XE5! C++Builder 3 through XE4 project import	C	X	X	X	X
Enhanced in XE5! Delphi 1 through XE4 project import	D	X	X	X	X
Build Configurations provide flexibility to organize multiple build settings for all compiler, linker options, and platform support	C D	X	X	X	X
Named option sets to save and apply build configurations to any project	C D	X	X	X	X
Share option-sets between build configurations and between projects	C D	X	X	X	X
Multi-select files in the Project Manager	C D	X	X	X	X
File Browser – Windows shell integrated into the IDE	C D	X	X	X	X
Build Events for pre-build, pre-link (C++ only), and post-build on project and file levels	C D	X	X	X	X

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Project dependency checking	C D	X	X	X	X
IDE Studio personality indicator – shows which is active available	C D	X	X	X	X
Project level build ordering	C D	X	X	X	X
File level build ordering	C	X	X	X	X
Build/Make from here – Make or build current project and all later projects	C D	X	X	X	X
Impdef utility provides information about DLLs	C	X	X	X	X
Implib utility to create import libraries from DLLs	C	X	X	X	X
Additional command line tools include Microsoft Resource Compiler, TDump utility to structurally analyze EXE, OBJ, and LIB files, GREP tool, and MAKE tool	C D	X	X	X	X
Tlib utility for symbol case conversion to create extended libraries and modify page sizes	C	X	X	X	X
LANGUAGE AND RUNTIME LIBRARY FEATURES					
Introduced in XE4! Automatic Reference Counting in iOS and Android ARM compilers	D	X	X	X	X
Introduced in XE4! Optimized, 0-based, Unicode strings in iOS and Android ARM compilers	D	X	X	X	X
Enhanced in XE3! C++ RTL for 64-bit Windows	C	X	X	X	X
Enhanced in XE3! Delphi RTL for 64-bit Windows	D	X	X	X	X
Enhanced in XE3! Delphi RTL for OS X	D	X	X	X	X
Introduced in XE4! Delphi RTL for iOS	D	X	X	X	X
New in XE5! Delphi RTL for Android	D	X	X	X	X
Enhanced in XE3! C++ RTL for OS X	C	X	X	X	X
Extensible, cross platform, framework agnostic login credentials service	C D	X	X	X	X
Native zip file support	C D	X	X	X	X
RTTI for indexed properties and RTL support	D	X	X	X	X
Enhanced in XE3! C++ RTTI compatibility with Delphi	C	X	X	X	X
Introduced in XE3! Boost 1.5 for Windows 64-bit	C	X	X	X	X
Introduced in XE3! Dinkumware 5.3 RTL for 64-bit	C	X	X	X	X
Boost for OS X	C	X	X	X	X
Dinkumware RTL for OS X	C	X	X	X	X
New Regular Expressions (Regex) library	C D	X	X	X	X
Object-oriented file and directory I/O classes	C D	X	X	X	X
Dinkumware STL v5.01 with iterator debugging	C	X	X	X	X
ANSI/ISO standard library Technical Report 1	C	X	X	X	X
RTTI support in C++	C	X	X	X	X
RTTI support for exposure of Methods, Fields, and Properties to support dynamic invocations and other meta-programming approaches (reflection)	D	X	X	X	X
Custom attribute support for most code elements – types, fields, properties, methods, and parameters	D	X	X	X	X
TStringBuilder for easier and faster string concatenation	D	X	X	X	X
Generics with full RTL list and collection support	D	X	X	X	X
Support for localized resources	C D	X	X	X	X
Improved standard C++ heap manager	C	X	X	X	X
Optimized string/memory handling functions	C	X	X	X	X
UnicodeString type as the default string type	D	X	X	X	X
UnicodeString class	C	X	X	X	X
Anonymous methods	D	X	X	X	X
Unicode character types char16_t and char32_t	C	X	X	X	X
Move semantics with rvalue references	C	X	X	X	X
Explicit conversion operators	C	X	X	X	X
Static assertions	C	X	X	X	X
Full type trait support	C	X	X	X	X

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Extern templates	C	X	X	X	X
[[final]] and [[noreturn]] attributes	C	X	X	X	X
Decltype keyword	C	X	X	X	X
Scoped enumerations	C	X	X	X	X
Expression evaluation in compiler directives	C D	X	X	X	X
Create reusable native 32-bit dynamically linked libraries (.DLL), COM controls (.OCX), and standalone executables	C D	X	X	X	X
Create reusable native 64-bit dynamically linked libraries (.DLL), COM controls (.OCX), and standalone executables	D	X	X	X	X
Custom variants with support of your own data types, complex numbers, safe arrays, and passing variants through data sets	C D	X	X	X	X
Variant support for Int64, unsigned types and Unicode strings	C D	X	X	X	X
PERSONAL DEVELOPER PRODUCTIVITY					
Template Libraries	C D	X	X	X	X
Introduced in XE4! Deployment Manager: Deploy to iOS	D	X	X	X	X
New in XE5! Deployment Manager: Deploy to Android	D	X	X	X	X
Deployment Manager: Deploy to OS X, 32-bit Windows and 64-bit Windows	CD	X	X	X	X
Deployment Manager: Deploy to Amazon EC2 and Windows Azure	C D	X	X	X	X
Enhanced in XE5! A set of new examples and demos to help new and existing developers get the most out of the environment	C D	X	X	X	X
Object Gallery Descriptions pane that gives better understanding to the wizard or feature	C D	X	X	X	X
Designer snapshots – copy form images to the clipboard	C D	X	X	X	X
IDE Insight, the fastest way to find and execute commands in the IDE with 1-button click now with object inspector property support	C D	X	X	X	X
Code Formatter and beautification for source code including block formatting	C D	X	X	X	X
Command-line Code Formatter for integration with automated build processes	C D	X	X	X	X
Code Formatter profiles allow users to create / save / load custom formatter options sets	C D	X	X	X	X
Audits and metrics for Delphi and Audits for C++	C D	X	X	X	X
New C++ Class Explorer gives configurable hierarchical view of class libraries throughout project. Also enables fast navigation to declarations and implementations, as well as easy addition of fields and methods.	C	X	X	X	X
Search for Usages command now available from the code editor and Delphi Class Explorer context menus	D	X	X	X	X
Compilation can be done in a background thread	C D	X	X	X	X
Checkbox for Boolean types in the Object Inspector greatly enhancing readability	C D	X	X	X	X
Property Editors for Date properties now use Calendar controls	C D	X	X	X	X
Added capabilities and configuration to the File Reopen project dialog	C D	X	X	X	X
Use Unit interaction capabilities increased	D	X	X	X	X
Delphi Class Explorer gives configurable hierarchical view of class libraries throughout project. Also enables fast navigation to declarations and implementations, as well as easy addition of fields and methods.	D	X	X	X	X
Resource Manager greatly simplifies the addition of resources to projects	C D	X	X	X	X
Alpha channels in icons	C D	X	X	X	X
Significant all-around IDE performance improvements	C D	X	X	X	X
Option to turn-on and off brace highlighting	C D	X	X	X	X
Live Code Templates – dynamic scriptable templates streamlines coding complex and common structures and operations. Create or customize code templates and control the behavior, code generation, and user experience of your templates. Surround Templates that can wrap around selected code or text.	C D	X	X	X	X
Editor “Change Bar” indicates modified lines and saved modified lines	C D	X	X	X	X
“Smart” Block completion – anticipates and gracefully adds block closures as you type	C D	X	X	X	X
Virtual form positioner for VCL designers in “docked” mode	C D	X	X	X	X
Main toolbar with the addition of Run without Debug option	C D	X	X	X	X
Project Manager now has the ability to run selected applications with either Run or Run without Debug from the context menu.	C D	X	X	X	X

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Hot-key Tool Palette w/ Incremental search – find any component quickly	C D	X	X	X	X
Gallery in Tool Palette – find gallery wizards when you need them	C D	X	X	X	X
SyncEdit – block-edit multiple instances of a symbol simultaneously	C D	X	X	X	X
History Manager with automatic multi-level file backups, file differencing and restore	C D	X	X	X	X
IDE Welcome Page – with fast access to recent projects, Embarcadero Developer Network RSS news feeds, documentation, helpful links, updates, Weblogs, and more	C D	X	X	X	X
Integrated QualityCentral – submit bug reports and feature requests to Embarcadero	C D	X	X	X	X
Structure Pane that displays hierarchical view of source code and provides a VCL Object Treeview for quick navigation and manipulation of objects in the VCL designer	C D	X	X	X	X
Syntax Highlighting Open Tools API extension with built in support for JavaScript, PHP, and INI files	C D	X	X	X	X
Ability to individually customize editor options for particular file types	C D	X	X	X	X
Full-featured Open Tools API allows for customization of the IDE through wizards and experts.	C D	X	X	X	X
Symbol Insight – click to navigate to declarations and implementations	C D	X	X	X	X
Code Insight – Faster performance and improved code and parameter completion provide on-the-fly member lists and parameter hints as you type	C D	X	X	X	X
Code Insight – Code completion for DTD described markup language including HTML, WML, XHTML, and XSL	C D	X	X	X	X
Code Folding configuration and properties	C D	X	X	X	X
Editor Gutter – easier to read with less clutter	C D	X	X	X	X
Code Completion for C/C++, and Delphi	C D	X	X	X	X
Code Completion for HTML, XHTML, XSL, and CSS	C D	X	X	X	X
Class completion	D	X	X	X	X
Custom IDE desktop layout profiles with enhanced support for docked windows	C D	X	X	X	X
To-do lists keep your development on track	C D	X	X	X	X
Crash recovery reporting, enables Embarcadero to understand complex IDE crashes to better serve our customers	C D	X	X	X	X
Help Insight – convenient tooltips provide help snippets as you develop	D	X	X	X	X
Open Tools API generic version control support for building third party version control plug-ins to the IDE	C D	X	X	X	X
Open Tools API access to code editor tabs exposed	C D	X	X	X	X
Open Tools API ability to create dockable views exposed	C D	X	X	X	X
Open Tools API ability to create and control Internal tabbing capability	C D	X	X	X	X
SOURCE CODE MANAGEMENT					
Version Insight – Integrated framework for supporting source code management tooling inside the IDE	C D	X	X	X	X
Subversion integration into the IDE	C D	X	X	X	X
Subversion/History integration	C D	X	X	X	X
A full default Diff viewer	C D	X	X	X	X
Install Subversion client from the installer	C D	X	X	X	X
SCM Integration (Subversion) also available as an open source project	C D	X	X	X	X
INTERNATIONAL DEVELOPMENT					
Unicode-enabled development environment	C D	X	X	X	X
Unicode-enabled VCL and FM Application Platform	C D	X	X	X	X
UnicodeString type	C D	X	X	X	X
Resource DLL Wizard to create Win32 resource DLLs for localization	C D	X	X	X	X
English, German, French, and Japanese translations available for IDE menus and dialogs, compiled units, resources, and source code	C D	X	X	X	X
Easy switching between languages for the IDE menus, dialogs, and more...	C D	X	X	X	X
Integrated Translation Environment (ITE) to view and edit VCL forms and resource strings	C D	X	X	X	X
External Translation Manager (ETM) to view and edit language resource files outside the IDE	C D	X	X	X	X
Translation Repository provides a database for translations that can be shared across projects	C D	X	X	X	X

Feature	Personality	Architect	Ultimate	Enterprise	Professional
REFACTORINGS					
Enhanced refactoring for generics support including rename, change parameter, and extract method	D	X	X	X	X
Rename refactoring	C D	X	X	X	X
Refactor driven "Find References"	D	X	X	X	X
Includes the following refactorings: Introduce Variable, Introduce Field, Inline Variable, Change Parameters, Safe Delete, Push Members Up / Down, Pull Members Up, Extract Superclass, Extract Interface, Move Members, Declare variable, Declare field, Extract method, Find unit/import namespace, Extract to resource string	D	X	X	X	X
Refactor driven "Find in Files"	D	X	X	X	X
UML MODELING					
UML Code Visualization – at any time, get a UML model view of your source code	C D	X	X	X	X
Delphi code generation	D	X	X	X	X
Object Ancestry; show an object full hierarchy	D	X	X	X	X
Automatic Sequence diagrams generation support	D	X	X	X	
Ability to load an image into the diagram for annotations and advanced documentation	C D	X	X	X	X
Diagrams have an updated look and feel	C D	X	X	X	X
Sequence diagrams	C D	X	X	X	
Collaboration diagrams	C D	X	X	X	
State charts	C D	X	X	X	
Deployment diagrams	C D	X	X	X	
Use case diagrams	C D	X	X	X	
Activity diagrams	C D	X	X	X	
Component diagrams	C D	X	X	X	
Documentation generation	C D	X	X	X	
Run Documentation generation from the command-line	D	X	X	X	
80+ Static Code Metrics that allow for deep understanding and analysis of the health of the object domain	D	X	X	X	
Kiviat graph enhancements for interactive reporting	D	X	X	X	
10+ introductory level static code Metrics for understanding the health of the object diagram	D				X
Run static Metrics from the command-line	D	X	X	X	
200+ Static Code Audits for deep code analysis to better understand the coding style and approach	D	X	X	X	
Pointer Analysis for Audits	D	X	X	X	
10 introductory level static code audits for better code understanding	D				X
Run static Audits from the command-line	D	X	X	X	
C++ audits	C	X	X	X	X
Advanced C++ audits that include data analysis	C	X	X	X	
Import model from Rational® Rose (mdl import)	C D	X			
Language neutral UML 1.5 modeling	C D	X			
Language neutral UML 2.0 modeling	C D	X			
Transformation from language neutral UML 1.5 and UML 2.0 projects to source code projects	C D	X			
Design Patterns support, including GOF patterns	C D	X	X	X	
Diagram printing	C D	X	X	X	X
XMI 1.1 Import/Export	C D	X	X	X	
Full two-way class diagrams with synchronization between code and diagrams	C D	X	X	X	X
OCL 2.0 support	C D	X	X	X	X
"UML in Color" profile	C D	X	X	X	X
Diagram hyper-linking and annotations	C D	X	X	X	X
INTEGRATED DEBUGGING					
Full-featured debugger with color syntax highlighting	C D	X	X	X	X

Feature	Personality	Architect	Ultimate	Enterprise	Professional
Enhanced in XE3! Debug remote and local 64-bit Windows applications	CD	X	X	X	X
Enhanced in XE3! Debug remote OS X applications	CD	X	X	X	X
Introduced in XE4! Remote iOS Simulator Debugging	D	X	X	X	X
Introduced in XE4! Remote iOS Device Debugging	D	X	X	X	X
New in XE5! Android Emulator Debugging	D	X	X	X	X
New in XE5! Android Device Debugging	D	X	X	X	X
Debugging visualizers to enable extended views of debugging data	CD	X	X	X	X
Build debugger visualizers for your own custom data types	CD	X	X	X	X
Debugger visualizer for C++ String types, including AnsiString/UnicodeString	C	X	X	X	X
Debug visualizer for TString types	D	X	X	X	X
Debug visualizers for TDateTime, TDate, and TTime	CD	X	X	X	X
Detach from "Debug session in progress. Terminate?" dialog	CD	X	X	X	X
Multi-threaded-debugging the ability to selectively "Freeze" and "Thaw" threads	CD	X	X	X	X
Multi-threaded-debugging the ability to set a breakpoint for a selected thread	CD	X	X	X	X
Support for Wait Chain Traversal in Windows 7, Vista and Windows 2008	CD	X	X	X	X
Disassembly pane has "Show Opcodes" and "Show Addresses" local menu items	CD	X	X	X	X
New Debugger Options: "Scroll new events into view" and "Ignore non-user breakpoints"	CD	X	X	X	X
Call Stack View shows a glyph indicating if the frame has debug info	CD	X	X	X	X
CPU view panes can be opened individually outside of an editor tab	CD	X	X	X	X
Integration between debugger views and panes making it easier to find and understand information	CD	X	X	X	X
Call Stack view now automatically syncs the Locals view when you double click an item	CD	X	X	X	X
Evaluator tooltip hints go transparent when the CTRL key is pressed, allowing you to see through them to the editor	CD	X	X	X	X
Expandable tooltip expression evaluation	CD	X	X	X	X
Expandable watches	CD	X	X	X	X
Expandable local variables view	CD	X	X	X	X
Selective symbol table loading	CD	X	X	X	X
Close implicitly opened files after debugging	CD	X	X	X	X
Multi-select and copy to clipboard support in CPU view	CD	X	X	X	X
Ctrl-Click in editor gutter to enable/disable breakpoints	CD	X	X	X	X
Sort by load order in Modules view	CD	X	X	X	X
Set Next Statement local menu item in editor	CD	X	X	X	X
Exception notification dialog: Break/Continue buttons, "Ignore exception type" checkbox	CD	X	X	X	X
Break into debugger when an assert fires	C	X	X	X	X
Modules View sorting	CD	X	X	X	X
Remote debugging	CD	X	X	X	X
CodeGuard debugger support (32-bit only)	C	X	X	X	X
Thread view displays status on all processes and threads under debugger control	CD	X	X	X	X
CPU view for low-level debugging	CD	X	X	X	X
Evaluator	CD	X	X	X	X
Multi-Process debugging for easy tracing through complex applications	CD	X	X	X	X
Breakpoint view with toolbar, in-place editing, and enable/disable checkbox	CD	X	X	X	X
Watch view supporting in place editing, checkbox enable/disabling, and the watch names separated from the values with columns	CD	X	X	X	X
Multi-tab watch view for logically grouping variables	CD	X	X	X	X
Breakpoint view with toolbar, in-place editing, and enable/disable checkbox	CD	X	X	X	X
Attach to and debug any process	CD	X	X	X	X
Detach from any process	CD	X	X	X	X
Run until return	CD	X	X	X	X
Advanced breakpoints with Tooltips, actions, and groups for complete debugging control	CD	X	X	X	X

Feature	Personality	Architect	Ultimate	Enterprise	Professional
Breakpoint Data Aware Triggers	C D	X	X	X	X
Debug spawned processes	C D	X	X	X	X
Debug Inspector for easily monitoring properties while debugging	C D	X	X	X	X
Event log view	C D	X	X	X	X
INTEGRATED UNIT TESTING					
Integrated unit testing with the DUnit testing framework	C D	X	X	X	X
Unit test wizards for quick and easy unit test and unit test project creation	C D	X	X	X	X
Execute unit tests from project manager	C D	X	X	X	X
DOCUMENTATION					
Enhanced in XE5! Continually updated help system with diagrams showing class hierarchy, and new declared members pages	C D	X	X	X	X
Help installer re-integrated in the main installer	C D	X	X	X	X
DATABASE APPLICATION DEVELOPMENT AND CONNECTIVITY					
DBEXPRESS					
dbExpress™ 4 database connectivity framework with connection pooling, tracing, and delegate drivers	C D	X	X	X	X
Enhanced in XE3! Included dbExpress drivers available for 64-bit Windows – InterBase local, MySQL local and SQLite local only	CD	X	X	X	X
Enhanced in XE3! Included dbExpress drivers available for 64-bit Windows – InterBase, Firebird, Oracle, MySQL, SQL Anywhere, Informix, and SQLite	CD	X	X	X	
Enhanced in XE3! Included dbExpress drivers available for OS X – InterBase local, MySQL local and SQLite local only	C D	X	X	X	X
Enhanced in XE3! Included dbExpress drivers available for OS X – InterBase, Firebird, Oracle, MySQL, SQL Anywhere, Informix, and SQLite	C D	X	X	X	
Introduced in XE4! SQLite dbExpress client support for iOS	D	X	X	X	X
Introduced in XE4! InterBase Express (IBX) for iOS	D	X	X	X	X
New in XE5! SQLite dbExpress client support for Android	D	X	X	X	X
New in XE5! InterBase Express (IBX) for Android	D	X	X	X	X
Introduced in XE3! SQLite dbExpress client support for Windows and OS X	C D	X	X	X	X
Introduced in XE3! TSQLMonitor support for SQLite	C D	X	X	X	
Introduced in XE3! Integrated support for sample InterBase database for quick app prototyping	C D	X	X	X	X
Enhanced in XE4! DataSnap Mobile Connector support for latest versions of iOS, Android and BlackBerry	C D	X	X	X	
Build delegate drivers to place your code between the application and the actual driver. Provide pre- and post-processing of all public methods and properties of the dbExpress 4 framework. Sample delegate drivers included	C D	X	X	X	X
Enhanced in XE3! dbExpress server connectivity to Embarcadero InterBase® XE3, XE, 2009, and 2007	C D	X	X	X	
Introduced in XE4! InterBase ToGo dbExpress driver for iOS	D	X	X	X	X
New in XE5! InterBase ToGo dbExpress driver for Android	D	X	X	X	X
Introduced in XE3! InterBase ToGo dbExpress driver	C D H	X	X	X	X
Introduced in XE3! InterBase ToGo 64-bit ODBC driver for Windows	C D H	X	X	X	X
Introduced in XE3! dbExpress server connectivity to SQLite 3.x	C D	X	X	X	
dbExpress Server connectivity to Firebird 2.5, 2.1 and 1.5	C D	X	X	X	
dbExpress server connectivity to Oracle® 11g and 10g	C D	X	X	X	
dbExpress server connectivity to Microsoft SQL Server® 2008, 2005, and 2000	C D	X	X	X	
dbExpress server connectivity to Informix® 9x (not Unicode-enabled)	C D	X	X	X	
dbExpress server connectivity to IBM DB2® 9.x (not Unicode-enabled)	C D	X	X	X	
dbExpress server connectivity to SQL Anywhere™ 12 and 11 (Unicode-enabled); and SQL Anywhere 9 (not Unicode-enabled)	C D	X	X	X	
dbExpress server connectivity to Sybase® 12.5 (not Unicode-enabled)	C D	X	X	X	
dbExpress server connectivity to MySQL 5.1 and 5.0 (Unicode enabled) and 4.1	C D	X	X	X	
dbExpress ODBC Driver	C D	X	X	X	
dbExpress local connectivity to InterBase	C D	X	X	X	X

Feature	Personality	Architect	Ultimate	Enterprise	Professional
dbExpress local connectivity to MySQL	C D	X	X	X	X
Introduced in XE3! dbExpress local connectivity to SQLite	C D	X	X	X	X
Data/Time related functions are now locale dependent	C D	X	X	X	X
TClientDataset for managing and manipulating datasets in-memory	C D	X	X	X	X
Enhanced in XE3! LiveBindings connect any type of data to any UI or graphical element in VCL and FM Application Platform	C D	X	X	X	X
dbGO™ for ADO connectivity for Windows (MDAC 2.8)	C D	X	X	X	X
InterBase Express Components	C D	X	X	X	X
FIREDAC MULTI-DEVICE DATA ACCESS LIBRARY					
New in XE5! MySQL v 5.6 support	C D	X	X	X	Limited*
New in XE5! InterBase encryption connection options	C D	X	X	X	Limited*
New in XE5! Support for Oracle 11.2	C D	X	X	X	Optional ¹
Enhanced in XE5! Data Access components for Windows and OS X	C D	X	X	X	X
Enhanced in XE5! Data Access components for iOS and Android	D	X	X	X	X
Enhanced in XE5! Windows/Mac enterprise database support, including MySQL, Microsoft SQL Server, Oracle Database, InterBase, PostgreSQL, Sybase SQL Anywhere, Microsoft Access, IBM DB2 Server, Firebird, Advantage Database	C D	X	X	X	Optional ¹
Introduced in XE4! Source code of the included database drivers	C D	X	X	X	Optional ¹
Enhanced in XE5! iOS and Android mobile database support, including SQLite, InterBase ToGo and IBLite	D	X	X	X	X
New in XE5! Support for local databases, including Microsoft Access database, SQLite database, InterBase ToGo / IBLite, InterBase on localhost, MySQL Embedded, MySQL Server on localhost, Advantage Database local engine, PostgreSQL on localhost, Firebird Embedded, Firebird on localhost	C D	X	X	X	X
Enhanced in XE5! Comprehensive support for SQLite v3+ database, including "smart" data type recognition	C D	X	X	X	X
Enhanced in XE5! Easy to use TDataSet descendant classes	C D	X	X	X	X
Enhanced in XE5! Unified Data Access API	C D	X	X	X	X
Enhanced in XE5! Comprehensive support for InterBase v6+, including multiple transactions	C D	X	X	X	Limited*
Introduced in XE4! FireDAC clients for DataSnap	C D	X	X	X	Optional ¹
Enhanced in XE5! High-performance in-memory dataset	C D	X	X	X	X
Enhanced in XE5! FireDAC source code	C D	X	X	X	Limited*
Introduced in XE4! Live Data Window mode enabling fast bi-directional navigation through large datasets	C D	X	X	X	X
Introduced in XE4! Array Data Manipulation Language (DML) command execution and Command Batches for batch applications and for minimizing network traffic	C D	X	X	X	Limited*
Introduced in XE4! Direct support for asynchronous command execution, command execution timeout, and command execution canceling	C D	X	X	X	X
Introduced in XE4! Cached updates mode with ability to track correlated changes for several datasets with cascading updates	C D	X	X	X	X
Introduced in XE4! Full support for auto-incrementing fields, including those based on generators and table triggers	C D	X	X	X	X
Introduced in XE4! SQL dialect abstraction through FireDAC escape sequences, conditional statements and macros	C D	X	X	X	Limited*
Introduced in XE4! Data type unification with flexible and adjustable data type mapping	C D	X	X	X	X
Enhanced in XE5! Easy to use TFDMemTable - in-memory dataset, highly compatible with TClientDataSet	C D	X	X	X	X
Enhanced in XE5! DataSnap client support for HTTP, HTTPS and TCP/IP protocols and authentication	C D	X	X	X	Optional ¹
Introduced in XE4! Local SQL with heterogeneous SQL commands to TDataSets, full SQLite SQL dialect support, ad-hoc TDataSet lookup	C D	X	X	X	X

Feature	Personality	Architect	Ultimate	Enterprise	Professional
¹ Requires purchase of FireDAC Client/Server Pack for Professional					
* Limited in the Professional Edition					
DATASNAP MULTI-TIER					
Create multi-tier database applications with DataSnap. Create middle tier application servers and connect to them from thin clients. Place business rules and write stored procedure code in Delphi on the middle tier.	D	X	X	X	
Create multi-tier database applications with DataSnap. Create middle tier application servers and connect to them from thin clients. Place business rules and write stored procedure code in C++Builder on the middle tier.	C	X	X	X	
HTTPS support in stand-alone DataSnap Applications	C D	X	X	X	
DataSnap server ability to terminate socket connection	C D	X	X	X	
CommunicationTimeout for HTTP protocol	C D	X	X	X	
JavaScript Minification with dispatching	C D	X	X	X	
Heavyweight callbacks support broadcasting to specific callbacks	C D	X	X	X	
RoleItem has Exclude list	C D	X	X	X	
Callback channel events for servers and clients	C D	X	X	X	
DataSnap REST server support for multiple Callback Tunnels	C D	X	X	X	
Session Events for TCP/IP Protocol	C D	X	X	X	
KeepAlive support for TCP transport component	C D	X	X	X	
Object support in DataSnap sessions	C D	X	X	X	
Monitor and control connections	C D	X	X	X	
Allow changing of JSON result format in REST calls	C D	X	X	X	
Allow query parameters in REST calls and store them	C D	X	X	X	
Proxy information support for HTTP connections	C D	X	X	X	
Identify client connection information (IP address and protocol, and application name for HTTP)	C D	X	X	X	
New ServerMethods give complete control over functionality of middle tier. Call procedures from server as if the code were right on the client. Continue to use familiar IAppServer interface while expanding power of application servers. No COM dependencies in new DataSnap framework and now with TJsonValue pairs making it easier to pass data	C D	X	X	X	
Improved Session events for increased simplicity of a multi-tier implementation	C D	X	X	X	
DataSnap wizards from the Object Gallery to make server and client creation even easier	C D	X	X	X	
DataSnap wizard source code enabling developers to build their own DataSnap server wizards	D	X	X	X	
Added support for REST(ful) interface and exposure from the Server	C D	X	X	X	
Support for REST client proxy generation	C D	X	X	X	
DataSnap Server Proxy generation for Delphi, C++, JavaScript, and PHP	C D H	X	X	X	
Added support for HTTP and HTTPS communication protocol beyond the local DataSnap (TCP/IP) approach	C D	X	X	X	
Added HTTP tunneling support for client code outside the firewall	C D	X	X	X	
Added Filter support for encryption and compression over-the-wire	C D	X	X	X	
Included new encryption PC1 and compression filters now included for quick enablement.	C D	X	X	X	
Heavyweight callbacks for enhanced client/server communications and notifications	C D	X	X	X	
Added support for publishing DataSnap server through the WebBroker approach	C D	X	X	X	
Added lightweight Callbacks	C D	X	X	X	
Enhanced in XE5! TClientDataSet support for iOS and Android	D	X	X	X	
Royalty Free! MIDAS/DataSnap multi-tier deployment license	C D	X	X	X	
MIDAS/DataSnap multi-tier development license - no deployment	C D	X	X	X	
MIDAS.DLL source code included	C D	X	X	X	X
ClientDataSet support for OS X	C D	X	X	X	X
ClientDataSet support for 64-bit Windows	C D	X	X	X	X
Enhanced in XE5! DataSnap clients for iOS and Android	D	X	X	X	
Introduced in XE3! MyBase XML in memory dataset support	C D	X	X	X	X

Feature	Personality	Architect	Ultimate	Enterprise	Professional
DATASNAP DESKTOP CLIENT CONNECTORS					
Windows 32-bit	C D	X	X	X	
Enhanced in XE3! Windows 64-bit	CD	X	X	X	
OS X	C D	X	X	X	
DATASNAP WEB CLIENT CONNECTORS					
Simple REST / JavaScript	C D H	X	X	X	
PHP	H	X	X	X	
DATASNAP MOBILE CLIENT CONNECTORS					
Enhanced in XE4! Apple iOS (iPhone, iPad, iPod Touch) 5.1 and 6.0	C D	X	X	X	
RIM BlackBerry	C D	X	X	X	
Windows Phone 7	C D	X	X	X	
Enhanced in XE3! Android Gingerbread, Ice Cream Sandwich, and Jelly Bean	C D	X	X	X	
DATABASE TOOLS					
Data Explorer optimized to add and manage database connections and browse database schema	C D	X	X	X	X
Drag and Drop from the dbExpress node in the Data Explorer into VCL Forms to speed development	C D	X	X	X	X
SQL console views for running queries and viewing results on any dbExpress 4 supported database	C D	X	X	X	X
Navigate to Delphi and C++Builder code-based stored procedures from Data Explorer	C D	X	X	X	X
INCLUDED DATABASES					
Introduced in XE3! InterBase XE3 Developer Edition – up to 20 users and 80 logical connections	C D H	X	X	X	X
Enhanced in XE5! InterBase IBLite for iOS and Android with unlimited deployment license	D	X	X	X	X
Introduced in XE3! InterBase ToGo Test Deployment License	C D	X	X	X	X
Borland Database Engine (32-bit) for dBASE and Paradox	C D	X	X	X	X
CLOUD SUPPORT					
Ability to connect to Windows Azure	C D	X	X	X	X
Ability to manipulate Windows Azure blobs, queues, and tables	C D	X	X	X	X
MetaData support for TAzureQueueManagement	C D	X	X	X	X
ContinuationToken support for Azure Table	C D	X	X	X	X
Amazon Simple Storage Service API	C D	X	X	X	X
Amazon Queue Service API	C D	X	X	X	X
Amazon SimpleDB API	C D	X	X	X	X
Deploy to Amazon EC2	C D	X	X	X	X
Deploy to Windows Azure	C D	X	X	X	X
REST CLIENT LIBRARY					
REST Client Library for simplified invocation of REST services	C D	X	X	X	X
Authorization support including Basic Authentication, Plan Authentication, OAuth1, OAuth2	C D	X	X	X	X
TRestClient, TRestRequest, and TRestResponse components	C D	X	X	X	X
REST Debugger tool for testing REST calls and their parameters	C D	X	X	X	X
PROFILING with AQtime 7 Standard					
AQtime 7 Standard for RAD Studio integrated plugin	C D	X	X	X	X
Support for 32 bit C++ and Delphi applications	C D	X	X	X	X
Performance and function timing profiling	C D	X	X	X	X
Parent / child contribution analysis	C D	X	X	X	X
Analysis of memory and resource allocation and leaks	C D	X	X	X	X
Code coverage	C D	X	X	X	X
Exception tracing	C D	X	X	X	X
Selective profiling using profiling areas	C D	X	X	X	X

Feature	Personality	Architect	Ultimate	Enterprise	Professional
FILE COMPARE with Beyond Compare Text Compare					
Beyond Compare Text Compare integration	C D	X	X	X	X
Compare and edit the contents of files with syntax highlighting	C D	X	X	X	X
Ignore changes in whitespace and comments	C D	X	X	X	X
Print reports of differences or save them as HTML or plain	C D	X	X	X	X
Filter display to only show differences, optionally with a few lines of context	C D	X	X	X	X
Built-in support for Delphi, C++, HTML, DFMs, and more	C D	X	X	X	X
Adds a "Compare" menu to the IDE's "Edit" menu and Project Manager, with commands to compare against previous revisions, other editor tabs, and original files	C D	X	X	X	X
Automatically configured for both differences and merges from the History view	C D	X	X	X	X
LOGGING with CodeSite Express					
Raise Software CodeSite Express Integration provides advanced application logging and debugging capabilities	C D	X	X	X	X
Log all kinds of information without data conversions including strings, numbers, dates & times and even objects, string lists, exceptions, and much more	C D	X	X	X	X
Log information from application code (including recursive functions and multiple threads) without interrupting program execution or causing side effects	C D	X	X	X	X
Emphasize important logging information through a variety of message types	C D	X	X	X	X
Send logging messages to a CodeSite Log File for later review or to the CodeSite Live Viewer for real-time analysis, or to both simultaneously	C D	X	X	X	X
Utilize the extensive analysis tools in the CodeSite Viewers to analyze message logs and locate problem areas faster	C D	X	X	X	X
Filter message logs by application name, process id, thread name, computer name, category, and message text	C D	X	X	X	X
Quickly organize the message log into multiple views by using the advanced CodeSite Message Organizer	C D	X	X	X	X
Control the amount of logging information generated by using additional CodeSite loggers with their own Category instead of relying on arbitrary logging levels	C D	X	X	X	X
Record method calls to add call stack structure to the message log	C D	X	X	X	X
IP*Works! COMMUNICATION COMPONENTS					
The full version of /n software's IP*Works! components – A comprehensive suite of components for Internet communications including more than 40 individual components covering every major Internet Protocol.	C D	X	X	X	X
Royalty free commercial components for Internet development including ATOM, CalDAV, FileMailer, FTP, HTMLMailer, HTTP, ICMPPort, IMAP, IPDaemon, IPInfo, IPMonitor, IPPort, JSON, LDAP, Mcast, MIME, MX, NetClock, NetCode, NetDial, NNTP, Ping, POP, RCP, REST, Rexec, Rshell, RSS, SMPP, SNPP, SOAP, Syslog, Telnet, TFTP, TraceRoute, UDPPort, WebDav, WebForm, WebUpload, Whois, XMLp, and XMPP	C D	X	X	X	X
Components are easy to use, with a uniform, intuitive, and extensible design	C D	X	X	X	X
Components share common interfaces across platforms and technologies	C D	X	X	X	X
Components are fast, robust, and reliable with minimal resource consumption	C D	X	X	X	X
Components are lightweight and have no dependencies on external libraries	C D	X	X	X	X
Detailed reference documentation, hundreds of sample applications, fully-indexed helps files, and an extensive online knowledge base	C D	X	X	X	X
TeeChart CHARTING COMPONENTS					
TeeChart Standard – reporting and graphing component set	C D	X	X	X	X
FastReport REPORTING SOLUTIONS					
FastReport VCL 4 RAD Edition reporting tool	C D	X	X	X	X
Exports to popular formats (PDF, RTF, HTML, BMP, JPEG, TIFF, GIF, TXT, CSV)	C D	X	X	X	X
Grouping with drill-downs	C D	X	X	X	X
Caching of the big reports(uses less memory)	C D	X	X	X	X
Six levels in master-detail-subdetail relation	C D	X	X	X	X
DOCUMENTATION TOOLS					
Documentation Insight – a Delphi XML documentation tool	D	X	X	X	X
ADDITIONAL COMPONENTS AND TOOLS					
glyFX Icon Library – Embarcadero Edition	C D	X	X	X	X

Feature	Personality	Architect	Ultimate	Enterprise	Professional
Enhanced in XE5! SOAP Clients for iOS and Android	D	X	X	X	X
Support for SOAP 1.2 clients	C D	X	X	X	X
BIZSNAP WEBSERVICES™					
WSDL External Schema support	C D	X	X	X	X
BizSnap™ XML Transformation Tools and Components to easily build data exchanges between XML and datasets	C D	X	X	X	
BizSnap native Delphi XML bindings to simplify XML programming – access XML documents as Delphi objects	D	X	X	X	
Easily create Win32, Win64 and XML/SOAP Web Services	D	X	X	X	X
Easily create Win32 and XML/SOAP Web Services	C	X	X	X	X
SOAP runtime support for optional and unbounded elements	C D	X	X	X	X
SOAP features updated to support Amazon, eBay, MapPoint, and more	C D	X	X	X	X
Build server-side XML Web Services	C D	X	X	X	X
Build client-side XML Web Services	C D	X	X	X	X
WEB APPLICATION DEVELOPMENT					
INTRAWEB					
Introduced in XE3! IntraWeb XIV – RAD Web Application framework, Personal Edition	C D				X
Introduced in XE3! IntraWeb XIV – RAD Web Application framework, Standard Edition	C D	X	X	X	
Integrated Page Mode	C D	X	X	X	X
RSS Feeds	C D	X	X	X	X
Static content	C D	X	X	X	X
URL Mapping	C D	X	X	X	X
Standalone deployment	C D	X	X	X	X
Windows Service Deployment	C D	X	X	X	
Concurrent session limit	C D				X
Unlimited concurrent session limit	C D	X	X	X	
Application Mode	C D	X	X	X	X
Code based Authentication	C D	X	X	X	X
Session time out limit of 20 minutes	C D	X	X	X	X
INTERNET DIRECT (INDY)					
Enhanced in XE5! Indy for iOS and Android	D	X	X	X	X
Internet Direct (INDY) components with more than 120 Internet protocols and Internet standards including TCP, UDP, ICMP, SMTP, POP3, IMAP4, HTTP, NNTP, FTP, IPv6, and much more	C D	X	X	X	X
INDY component libraries for Win64	C D	X	X	X	X
INDY component libraries for OS X	C D	X	X	X	X
COM/DCOM SUPPORT					
Fully re-architected COM/ActiveX support now enables transparent access to IDL and code. Support now is source control friendly and allows total control over implementation of COM and ActiveX objects.	D	X	X	X	X
Enhanced in XE3! ActiveX for Win 64	CD	X	X	X	X
Wizards support wrapping existing VCL components as ActiveX controls	D	X	X	X	X
Import .NET assemblies as COM objects in Win32 VCL applications	C D	X	X	X	X
DCOM support	C D	X	X	X	X
Legacy support for DataSnap/MIDAS COM/DCOM based multi-tier database application framework	C D	X	X	X	
Advanced Type Library Editor now manages IDL, making COM development completely transparent.	C D	X	X	X	X
History Manager supports IDL, with automatic multi-level file backups, file differencing and restore	C D	X	X	X	X
Support for Automation Object event handling	C D	X	X	X	X
COM Object Wizard	C D	X	X	X	X
Microsoft ActiveX® Control Data binding	C D	X	X	X	X
Import COM servers as components to develop visually	C D	X	X	X	X

Feature	Personality	Architect	Ultimate	Enterprise	Professional
Removal of the dependency of the ATL libraries for C++Builder ActiveX support	C	X	X	X	X
VISUAL COMPONENT LIBRARY (VCL)					
Enhanced in XE3! VCL support for Win64	CD	X	X	X	X
Introduced in XE3! VCL Metropolis Project Templates (blank, grid, split layout)	C D	X	X	X	X
Introduced in XE3! 4 VCL Metropolis styles for XP, Vista, Windows 7, Windows 8	C D	X	X	X	X
Introduced in XE3! VCL style support for Ribbon controls	C D	X	X	X	X
Introduced in XE3! Easy one-click Metropolis VCL form converter	C D	X	X	X	X
VCL Form Designer to visually build native Windows applications	C D	X	X	X	X
VCL source code to extend and debug components	C D	X	X	X	X
VCL Styles: Create VCL applications with enhanced GUI	C D	X	X	X	X
Professional looking custom styles such as the Graphite series for VCL	C D	X	X	X	X
Create your own custom styles with the VCL Style Designer	C D	X	X	X	X
Integrated gesturing framework with multi-OS support for Windows 8, 7, Vista, and XP	C D	X	X	X	X
Gesture Designer enables full control of all gesture design and interaction	C D	X	X	X	X
Gesture components (TGestureListView, TGesturePreview, TGestureRecorder) to build gesture creation and management into VCL based applications	C D	X	X	X	X
Enhanced in XE5! Interactive multi-touch gestures for pan, zoom, rotate, tap, double tap, tap and hold (requires multi-touch enabled OS)	C D	X	X	X	X
TTouchKeyboard a virtual keyboard for enhanced non-keyboard interface interactions that support multiple locales and languages	C D	X	X	X	X
Ability to easily change languages and all TWinControls respond to the change	C D	X	X	X	X
Enhanced in XE5! Ribbon Controls components for creating Microsoft Office style ribbon interfaces including ribbon, ribbon application menu bar, combobox, toolbar and tips	C D	X	X	X	X
New VCL Components: TCategoryPanelGroup, TButtonedEdit, TLinkLabel, TBalloonHint	C D	X	X	X	X
Enhancements to existing controls: TButton, TEdit, TProgressBar, TListView, TTreeView, TRichEdit, TImageList	C D	X	X	X	X
Theming support for TGrid descendants	C D	X	X	X	X
Full support for PNG image format in TImage and TImageList	C D	X	X	X	X
Icons can be assigned to Bitmaps	C D	X	X	X	X
Support for Windows Imaging Component (WIC) including JPEG, TIFF, GIF, PNG, BMP, and HD Photo image formats. RAW camera formats (such as NRW, NEF, CRW, CR2, RW2, ARW, SR2, SRF, ORF, PEF, and DNG) also supported with manufacturer supplied codecs.	C D	X	X	X	X
TImageList now supports all graphics formats contained in TImage	C D	X	X	X	X
Import Component wizard to import a type library, ActiveX control or .NET Assembly	C D	X	X	X	X
New Component wizard to create the unit for a new component	C D	X	X	X	X
Object-oriented, fully extensible and reusable component and application architecture	C D	X	X	X	X
Visual Form Inheritance and Form linking to reduce coding and simplify maintenance	C D	X	X	X	X
Frames for building and reusing compound components	C D	X	X	X	X
Object Repository for storing and reusing forms, Data Modules, and experts	C D	X	X	X	X
Object Inspector to set component properties and events	C D	X	X	X	X
Windows Vista look and feel including Windows Aero glassing effects	C D	X	X	X	X
Support for Windows theming of applications	C D	X	X	X	X
Standard components including frame, edit, menu, button, label, checkbox, list box, combo box, panel and action list	C D	X	X	X	X
Additional components including graphical buttons, image, shape, scroll box, splitter, buttoned edit, tabs, panels, action toolbar, and color map	C D	X	X	X	X
Win32 components including page control, image list, rich edit, progress bar, date time, calendar, toolbar, tree view and list view	C D	X	X	X	X
System components including timer, paint box, media player, OLE container and DDE	C D	X	X	X	X
Win 3.1 controls including tabbed notebook, file list box, directory list box, drive combo box, filter combo box and db lookup	C D	X	X	X	X
Dialog components including open, save, open/save picture, open/save text, font, color, print, printer setup, find, replace and page setup	C D	X	X	X	X
Data Access Controls - datasource	C D	X	X	X	X

Feature	Personality	Architect	Ultimate	Enterprise	Professional
Data Access Controls including client dataset, dataset provider and XML transform	C D	X	X	X	X
Data Controls including dbgrid, navigator, text, edit, memo, image, listbox, combo box, checkbox, radiogroup, lookup and rich edit	C D	X	X	X	X
dbExpress components including SQL connection, SQL dataset, SQL query, SQL Stored Proc, SQL table, SQL server method, SQL monitor (not included in Professional) and simple dataset	C D	X	X	X	X
Internet components including web browser, dispatcher, page producer, dataset, query, page, table, TCP client and server and XML document	C D	X	X	X	X
Vista Dialog components including file open, file save and task	C D	X	X	X	X
DataSnap Client components including provider connection, DCOM connection, socket connection, shared connection, local connection, web connection, object broker and connection broker	C D	X	X	X	
DataSnap Server components including TDSTCPServerTransport, TDSProxyGenerator, TDSServerMetaDataProvider, TDSConnectionMetaDataProvider, TDSRestConnection, TDSRestMetaDataProvider, TDSHTTPWebDispatcher, TDSSErver, TDSSErverClass, TDSHTTPService, TDSAuthenticationManager, TDSClientCallbackChannelManager, and TDSHTTPServiceFileDispatcher	C D	X	X	X	
Windows Azure components including AzureConnectionString, AzureBlobManagement, AzureQueueManagement, and AzureTableManagement	C D	X	X	X	X
Sample components including gauge, color grid, spin button, spin edit, directory outline and calendar	C D	X	X	X	X
Indy components with more than 120 Internet protocols and Internet standards including TCP, UDP, ICMP, SMTP, POP3, IMAP4, HTTP, NNTP, FTP, IPv6, and much more	C D	X	X	X	X
Web Services components including HTTP, SOAP, and WSDL	C D	X	X	X	X
dbGo components including ADO connection, command, dataset, table, query and stored procedure	C D	X	X	X	X
IntraWeb components including Silverlight, Standard, Control, Standard 3.2, WAP, Data, Client Side, Data 3.2, Data WAP	C D	X	X	X	X
TeeChart Standard components including chart, DBchart, dataset, buttons, draw, combo and image	C D	X	X	X	X
InterBase Express (IBX) components	C D	X	X	X	X
DATABASE APPLICATION DEVELOPMENT					
Enhanced in XE3! Fast SQL database development, change management, profiling, and tuning with DB PowerStudio® XE3, Developer Edition	C D		X		
Rapid SQL to write high quality SQL code faster	C D		X		
DB Optimizer to visually tune SQL	C D		X		
DB Change Manager to simplify database change management	C D		X		
DATABASE MODELING AND DESIGN					
Updated in XE4! Embarcadero® ER/Studio® 9.5 Developer Edition, a database modeling and design tool for better understanding database structures	C D	X			
Highly productive model-driven database design environment – advanced graphics, multilevel design capabilities, automated and custom transformation, denormalization mapping, extensible automation and undo/redo	C D	X			
Database lifecycle support – forward engineering, reverse engineering to construct a model from an existing database or schema, and database modification	C D	X			
Enterprise model management – advanced compare and merge, submodel management, “where used” analysis and XML schema generation	C D	X			
Data warehouse and integration support – data lineage and dimensional modeling	C D	X			
Quality database design - model completion validation, automatic migration of foreign keys and capacity planning	C D	X			
Security design and assessment – including data classification and permission management	C D	X			
Database modeling and design for Oracle, Microsoft SQL Server, DB2 LUW, InterBase, MySQL, Informix, Sybase ASE, SQL Anywhere, ODBC, and ANSI SQL	C D	X			
Visual Data Lineage – Visually analyze and document how data flows through your organization without needing to inspect code	C D	X			
Attribute-level submodeling – Choose which attributes/columns to include in the entities/tables in the submodel and also describe submodels on the new Definition tab, then create queries to search on the definitions	C D	X			

Feature	Personality	Architect	Ultimate	Enterprise	Professional
Object-level Compare Flags – Indicate international discrepancies when comparing models that the Compare Wizard should ignore.	C D	X			
Produce reports in HTML format	C D	X			
LICENSING AND TOOL MANAGEABILITY					
No fees or limitations on deployment of applications built with Delphi or C++Builder	C D	X	X	X	X
Starter edition can be used to develop and distribute software up to \$1,000 US in total revenue. If your total revenue related to apps built with Delphi or C++Builder is greater than \$1,000 US, you must purchase a Pro, Ent, or Arch edition License	C D				
Licensing suitable for larger teams with no restriction on number of licenses you can purchase or use	C D	X	X	X	X
Starter edition limited to 5 simultaneous users within a network	C D				
AppWave network named or concurrent licenses available	C D H	X	X	X	X
Enhanced in XE5! Earlier version licenses included in AppWave network licenses (Delphi 2007- XE4, C++Builder 2007-XE4, HTML5 Builder XE3, RadPHP XE2). Delphi 7 and C++Builder 6 available separately	C D H	X	X	X	X
Enhanced in XE5! Access to licenses and downloads for earlier versions with purchase of standalone product licenses (Delphi 2007 – XE4, C++Builder 2007-XE4, HTML5 Builder XE3, RadPHP XE2, Delphi 7, and C++Builder 6)	C D H	X	X	X	X
Upgradeable to Embarcadero All-Access XE	C D H	X	X	X	X
WEB AND MOBILE APPLICATION DEVELOPMENT					
HTML5 Builder					
INTEGRATED DEVELOPMENT ENVIRONMENT (IDE)					
Introduced in XE3! Workflow optimized, context-sensitive user interface focused on improving user productivity	H	X	X	X	X
Introduced in XE3! Client Deployment wizard for deploying client web applications	H	X	X	X	X
Introduced in XE3! Multiple new project and file types have been added	H	X	X	X	X
Introduced in XE3! Client Web Application and Client Page. Develop web applications with client-side technologies that you can run without a webserver.	H	X	X	X	X
Introduced in XE3! Client Mobile Application and Client Mobile Page. Develop mobile applications with client-side technologies that you can run without a webserver.	H	X	X	X	X
Introduced in XE3! Mobile Themes. Create themes for your mobile applications easily with HTML5 Builder's visual designer.	H	X	X	X	X
Enhanced in XE3! Project Manager to display and organize the contents of your current project with support for content preview and search.	H	X	X	X	X
Project Manager view menu for directory (nested), directory (flat) and list view of files in a project.	H	X	X	X	X
Enhanced in XE3! Project Options to allow you select which parameters to send to the running script and other extra options via the Run/Debug drop-down menus.	H	X	X	X	X
File manipulation and creation through the Project Manager facilities.	H	X	X	X	X
Multi-select files in the Project Manager	H	X	X	X	X
Enhanced in XE3! IDE Insight always accessible via integrated top level search bar	H	X	X	X	X
Checkbox for Boolean types in the Object Inspector greatly enhancing readability	H	X	X	X	X
Enhanced in XE3! Web-oriented color property editor to use standard browser colors or custom ones with support for RGBA for specifying transparency	H	X	X	X	X
Improved search features in the editor and with Find tab integration	H	X	X	X	X
Added capabilities and configuration to the File Reopen menu	H	X	X	X	X
Use Unit interaction capabilities increased	H	X	X	X	X
Multi-instance loading so you can have several IDEs open at the same time	H	X	X	X	X
Super fast loading, so you can use it as code editor	H	X	X	X	X
Significant all-around IDE performance improvements	H	X	X	X	X
History Manager with automatic multi-level file backups, file differencing and restore	H	X	X	X	X
IDE Welcome Page – with fast access to recent projects, Embarcadero Developer Network RSS news feeds, documentation, helpful links, updates, Weblogs, and more	H	X	X	X	X
Ability to individually customize editor options for particular file types	H	X	X	X	X
Symbol Insight – click to navigate to declarations	H	X	X	X	X
Tool Palette for easy access RPCL (RadPHP Component Library) components	H	X	X	X	X

Feature	Personality	Architect	Ultimate	Enterprise	Professional
Tool Palette incremental filtering automatically narrows down component list to find what you need as you type	H	X	X	X	X
Context-aware Tool Palette, it shows only the appropriate items depending on what you are editing	H	X	X	X	X
Structure Pane to see and navigate the hierarchy of source code, HTML or components displayed in the editor or designer	H	X	X	X	X
Object Inspector for visual customization of PHP and AJAX components without writing code; now features subproperties and faster performance	H	X	X	X	X
New File Dialog to allow you select the extension of the file to create	H	X	X	X	X
Add Folder to Project menu option allows you to add several source files to your project in a single action	H	X	X	X	X
Set your default browser and multiple browsers to appear as options under the Run menu	H	X	X	X	X
Deployment Wizard helps you isolate the files necessary for your application to run and copies those files to a folder on your computer to make it easy to upload applications to a web server	H	X	X	X	X
Documentation Wizard, uses phpdoc to generate the documentation for your product	H	X	X	X	X
Find in Files to specify the text you want to locate and to set options that affect the search such as directories, file, case and file extension masks	H	X	X	X	X
Internationalization Wizard using gettext() simplifies localization of applications	H	X	X	X	X
Integrated web server for easy running applications directly from the IDE	H	X	X	X	X
Event log displays error messages from the PHP rendering engine and syntax checker	H	X	X	X	X
MOBILE DEVELOPMENT					
Enhanced in XE5! Easily build web optimized mobile applications and App Store ready apps for iOS, Android, BlackBerry and Windows Phone	H	X	X	X	X
Enhanced in XE5! Build BlackBerry 10 ready web optimized mobile apps (HTML5 Builder creates a folder structure that requires the latest BlackBerry 10 NDK and node.js)	H	X	X	X	X
Enhanced in XE5! Build web optimized mobile apps for iOS 6 (HTML5 Builder creates a project file that requires an Intel-based Mac running Mac OS X Lion version 10.7.4 or later with Xcode 4.1 or higher to create a standalone iOS application. Requires PhoneGap 2.8.0 on the Mac)	H	X	X	X	X
Enhanced in XE5! Build web optimized mobile apps for Android on Froyo (2.2), Gingerbread (2.3), Ice Cream Sandwich (4.0) and Jelly Bean (4.1, 4.2 and 4.3)	H	X	X	X	X
Enhanced in XE5! Build Windows Phone 8 ready web optimized mobile apps (For Windows Phone 8 apps, HTML5 Builder creates a folder structure that require Windows Phone SDK 7 and Visual Studio 2012)	H	X	X	X	X
Large library of built-in drag and drop components for mobile application development	H	X	X	X	X
jQuery mobile components: MButton, MPanel, CheckBoxGroup, MRadioGroup, MobileTheme, MEdit, MTextArea, MSlider, MLink, MCollapsible, MToolBar, MToggle, MRadioButton, MCheckBox, MComboBox, MCollapsibleSet, MList, MAccelerometer, MCamera, MCompass, MGeolocation, MNetwork, MContacts, PageEvents, MPageExtraEvents, MDB, MDBTransaction, MFileReader, MFileWriter, MFileEntry, MDirectoryEntry, MDirectoryReader, MFileSystem, MFileTransfer, MCapture, MNotification, MConnection, MDevice	H	X	X	X	X
Introduced in XE3! Additional jQuery Mobile components for use in your mobile applications, including MCanvas, MImage, MLabel, MMap, MMedia, MShape.	H	X	X	X	X
Introduced in XE3! Build your mobile applications in the cloud using the integrated PhoneGap Build service.	H	X	X	X	X
Visual mobile design surface to see how the interface will look on the device	H	X	X	X	X
HTML5 Builder COMPONENT LIBRARY (RPCL)					
Introduced in XE3! RPCL components generate validated HTML5 code	H	X	X	X	X
Enhanced in XE3! Components have been updated to provide separation of HTML, CSS and JavaScript	H	X	X	X	X
Introduced in XE3! Improve your pages' tab navigation with the new ActiveControl property that defines which control gets the focus when the page is loaded.	H	X	X	X	X
Introduced in XE3! CSS3, the third version of the standard stylesheet language, is supported in HTML5 Builder, so you can now get access to advanced style properties on every control	H	X	X	X	X
Introduced in XE3! Get rounded corners with BorderRadius. This new property groups all border-related properties,	H	X	X	X	X

Feature	Personality	Architect	Ultimate	Enterprise	Professional
Introduced in XE3! BoxShadow and TextShadow provide you with shadowing effects for containers and content.	H	X	X	X	X
Introduced in XE3! Use gradients to generate the color combinations you need without relying on image files.	H	X	X	X	X
Introduced in XE3! Select an InputType for your Edit and MEdit components, for easy client-side validation.	H	X	X	X	X
Introduced in XE3! Use the Canvas component to easily draw 2D and 3D interactive images.	H	X	X	X	X
Introduced in XE3! Get and use location data in your web and mobile apps with the Geolocation component.	H	X	X	X	X
Introduced in XE3! Play audio and video content using the HTML5 Media component	H	X	X	X	X
Introduced in XE3! Existing controls were updated to leverage HTML5: Bevel, ColorPicker, DateTimePicker, ProgressBar, Shape, TrackBar, SpinEdit	H	X	X	X	X
Introduced in XE3! Additional properties have been added to existing controls for enhanced functionality	H	X	X	X	X
Introduced in XE3! Use controls' draggable property to enable drag and drop implementations.	H	X	X	X	X
Introduced in XE3! CSS3 Animations through custom property editors	H	X	X	X	X
Introduced in XE3! Quickly transform and animation components	H	X	X	X	X
Introduced in XE3! Associate custom animations to your controls' events using their Animations property.	H	X	X	X	X
Introduced in XE3! Create a DataList component and link it to a text-input component so the data is provided as an input suggestion.	H	X	X	X	X
Introduced in XE3! SVG Image Support. The Image component now supports vector graphics in SVG that you can animate and modify in real time using JavaScript.	H	X	X	X	X
Introduced in XE3! Enhanced Color support. Color-based properties now support RGBA values. The fourth color channel, alpha, lets you define a level of transparency for your colors.	H	X	X	X	X
Introduced in XE3! HiddenFields is now a property of web and mobile pages, providing an easier and cleaner new approach.	H	X	X	X	X
Advanced components including ImageList, TrackBar, ProgressBar, SpinEdit, DateTimePicker, ColorPicker	H	X	X	X	X
System components including Timer, BasicAuthentication and StyleSheet	H	X	X	X	X
Enhanced in XE3! Data Access components including Database, Datasource, Table, Query and StoredProc with support for many databases through PDO	H	X	X	X	X
Data Controls components including DBRepeater	H	X	X	X	X
Zend Framework components ZACL, ZAuth, ZAuthDB, ZAuthDigest, ZCache, ZMail, ZMailTransportSMTP, ZMailTransportSMTP, ZmailTransportSendmail, ZCaptcha, ZBarcode, ZCurrency, ZDate, ZFile, ZFeedReader, ZFeedReader, ZPubSubHubBubPublisher, ZGDataAuth, ZGDataCalendar, ZGDataDocs, ZGDataYoutube, ZGDataYoutube, ZGDataHealth, ZGDataSpreadsheets, ZGDataPhotos, ZGDataBooks, ZGDataApps, ZOAuth, ZRegistry, ZJson, ZHttp, ZJsonServer, ZRestServer, ZRestClient, ZOpenIdConsumer, ZOpenIdConsumerStorageDB, ZOpenConsumerStorageFile, ZOpenIdProvider, ZOpenIdProviderStorageDB, ZOpenIdProviderStorageFile, ZOpenIdProviderUserSession, ZMarkup and Zlog	H	X	X	X	X
Facebook Social Plugins components to allow visual development of social-aspects of Facebook applications including LikeButton, LikeBox, ActivityFeed, and LiveStream	H	X	X	X	X
Support for communication components for native Delphi and C++Builder DataSnap applications including DSJavaScriptClient and DSRestConnection	H	X	X	X	X
Support for communication components for native Delphi and C++Builder DataSnap applications including DSJavaScriptClient and DSRestConnection	H	X	X	X	X
Extend the RPCL (RadPHP Component Library) at any time with third-party libraries, new additions from the RPCL open source project on SourceForge or your own components	H	X	X	X	X
Component Writer's Guide with information on building your own components	H	X	X	X	X
CODE EDITOR					
Enhanced in XE3! Customizable source code editor for editing PHP, HTML, JavaScript, CSS, SQL and XML	H	X	X	X	X
User configurable Color Syntax Highlighting	H	X	X	X	X
Introduced in XE3! Code Insight support for HTML, JavaScript and jQuery, in addition to PHP	H	X	X	X	X

Feature	Personality	Architect	Ultimate	Enterprise	Professional
Help Insight – convenient tooltips provide help snippets as you develop	H	X	X	X	X
ErrorInsight provides syntax checking as you type so you can easily fix syntax errors on the fly	H	X	X	X	X
Code Folding to collapse code blocks for easier viewing and navigation of your PHP code	H	X	X	X	X
Sync Edit to modify common identifiers in different locations in your code at the same time	H	X	X	X	X
Tracking band visually indicates which lines you have modified/added and which ones were modified on the last save operation	H	X	X	X	X
Macro recording and playback to record a specific set of actions in the code editor and repeat them later	H	X	X	X	X
Bookmarks allow you to set a mark on a specific location of your source code and return back later	H	X	X	X	X
Code Editor customization options include overwrite mode, group undo, scroll to past line, double click line, undo after save, persistent blocks and overwrite blocks, selecting keymappings and setting undo limit	H	X	X	X	X
Configurable Source Options include auto indent mode, use tab character, smart tab cursor through tab, optimal fill, backspace unindents, keep trailing blanks, show tab character, show space character, use syntax highlight, show line breaks, highlight current line, selectable syntax highlighting, block indent level and tab stops	H	X	X	X	X
Editor display options include visible right margin, visible gutter, show line numbers number all lines, setting right margin, gutter width, editor font, font size	H	X	X	X	X
Keymappings include default, BRIEF, IDE classic, Visual Basic emulation, Visual Studio emulation	H	X	X	X	X
CodeInsight options turn on and off code completion, code parameters, error insight, code completion auto parenthesis, code template completion and code browser and enable speed adjustments	H	X	X	X	X
Code Templates include 15 pre-built timesaving templates that can easily be inserted into your code	H	X	X	X	X
Conversions menu item enables you to select a block of text and convert to all upper-case or all lower-case	H	X	X	X	X
Dialogs to add published properties, public properties or publish public properties	H	X	X	X	X
Go to Line Number jumps to a line number in the code editor	H	X	X	X	X
Options Dialog, faster and with more options	H	X	X	X	X
Syntax Check performs a lint syntax check on the active file, showing results of the syntax checking operation in the messages window	H	X	X	X	X
REFACTORING					
Includes the following refactorings: Extract Interface, Extract Superclass, Pull Members Up, Push Members Down, Rename, Declare Field, Extract Method, Change Parameters	H	X	X	X	X
INTEGRATED PHP DEBUGGING AND PROFILING					
Introduced in XE3! Debug your client web application JavaScript code with integrated web developer tools	H	X	X	X	X
XDebug integration, faster and more powerful, helps find and fix errors	H	X	X	X	X
Integrated PHP Profiler to measure runtime performance and help identify bottlenecks down to the line of code	H	X	X	X	X
Breakpoint List window to display, enable, or disable breakpoints currently set in the loaded project, and to change the condition, pass count, or group associated with a breakpoint	H	X	X	X	X
Breakpoint view with toolbar, in-place editing and enable/disable checkbox	H	X	X	X	X
Advanced breakpoints with Tooltips, actions, and groups for complete debugging control	H	X	X	X	X
Call Stack window shows a list with the functions called when debugging or when the execution in debug mode is finished	H	X	X	X	X
Global Variables window shows the current function's global variables while in debug mode	H	X	X	X	X
Local Variables window shows the current function's local variables while in debug mode	H	X	X	X	X
Watches window displays the current value of the watch expression based on the scope of the execution point	H	X	X	X	X
Expandable watches for arrays and objects	H	X	X	X	X
Evaluator tooltips – just place the mouse over an item, and get the evaluation in a hint	H	X	X	X	X
Evaluate/Modify, issue function calls or modify variable values on the fly	H	X	X	X	X

Feature	Personality	Architect	Ultimate	Enterprise	Professional
Multi-tab watch view for logically grouping variables	H	X	X	X	X
Event log view showing messages from the IDE	H	X	X	X	X
DATABASE APPLICATION DEVELOPMENT					
Enhanced in XE3! Powerful Database Connectivity via PDO. This includes support for InterBase, Firebird, DB2, Informix, MySQL, Oracle, PostgreSQL, SQLite and SQL Server	H	X	X	X	X
Data Explorer to add a new connection, modify, delete, or rename your database connections	H	X	X	X	X
Support for Embarcadero's InterBase database	H	X	X	X	X
Drag and drop from the data explorer to build data-driven applications with no coding	H	X	X	X	X
RPCL (RadPHP Component Library) data access components	H	X	X	X	X
RPCL data controls components	H	X	X	X	X
DOCUMENTATION					
Enhanced in XE3! New sample projects for HTML5, mobile templates and more	H	X	X	X	X
Introduced in XE3! QuickStart Guide to allow you to quickly create your first applications with HTML5 Builder	H	X	X	X	X
Enhanced in XE3! Documentation has been expanded to include many more tutorials and feature information	H	X	X	X	X
Help Browser	H	X	X	X	X
Context sensitive online help for the development environment available via F1 in the IDE	H	X	X	X	X
Documentation wiki accessible via the online help for the latest doc updates	H	X	X	X	X
RPCL class library documentation and code examples	H	X	X	X	X
Sample programs with documentation	H	X	X	X	X
PHP Reference Guide	H	X	X	X	X
Install PHP Reference Guide in your choice of English, German, Japanese, French	H	X	X	X	X
THIRD PARTY					
Introduced in XE3! TeeChart Lite for HTML5 Builder plots charts to all compatible browsers in native JavaScript format using the HTML5 Canvas element. Charts can be added at design-time to Web Server, Web Client and Web Mobile pages, and programmed in both PHP and JavaScript languages.	H	X	X	X	X